

WEST Search History

DATE: Wednesday, February 22, 2006

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=AND</i>				
<input type="checkbox"/>	L5	l1 same (conA or concanavalin or glycosylat\$)		72
<input type="checkbox"/>	L4	l1 samd l2		0
<input type="checkbox"/>	L3	L2 and (measur\$ or detect\$ or assay or quantitat\$)		402
<input type="checkbox"/>	L2	L1 and (conA or concanavalin or glycosylat\$)		404
<input type="checkbox"/>	L1	butyrylcholine or acylcholine or benzoylcholinesterase or cholinesterase or pseudocholinesterase		4705

END OF SEARCH HISTORY

NiceZyme View of ENZYME: EC 3.1.1.8

Official Name

Cholinesterase.

Alternative Name(s)

Acylcholine acylhydrolase.

Benzoylcholinesterase.

Butyrylcholine esterase.

Choline esterase II (unspecific).

Non-specific cholinesterase.

Pseudocholinesterase.

Reaction catalysed

An acylcholine + H(2)O \leftrightarrow choline + a carboxylate

Comment(s)

Acts on a variety of choline esters and a few other compounds.

Human Genetic Disease(s)

Drug induced
(postanesthetic) MIM:177400
apnea

Cross-references

PROSITE PDOC00112

BRENDA 3.1.1.8

PUMA2 3.1.1.8

PRIAM enzyme-specific profiles 3.1.1.8

Kyoto University LIGAND chemical database 3.1.1.8

IUBMB Enzyme Nomenclature 3.1.1.8

IntEnz 3.1.1.8

MEDLINE Find literature relating to 3.1.1.8

3.1.1.8

MetaCyc**UniProtKB/Swiss-Prot**

Q95000, CHLE1_BRALA; Q95001, CHLE2_BRALA; P32749, CHLE_BOVIN;
P32750, CHLE_CANFA; O62760, CHLE_FELCA; P81908, CHLE_HORSE;
P06276, CHLE_HUMAN; P32751, CHLE_MACMU; Q5UR02, CHLE_MIMIV;
Q03311, CHLE_MOUSE; O62761, CHLE_PANTT; P32752, CHLE_PIG;
P21927, CHLE_RABIT; P32753, CHLE_SHEEP;

[View entry in original ENZYME format](#)

All UniProtKB/Swiss-Prot entries referenced in this entry, with possibility to download in different formats, align etc.

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Matches in ENZYME:

ID 3.1.1.7
DE Acetylcholinesterase.
AN Choline esterase I.
AN **Cholinesterase.**
AN True **cholinesterase.**
CA Acetylcholine + H(2)O = choline + acetate.
CC -!- Acts on a variety of acetic esters.
CC -!- Also catalyzes transacetylations.
PR PROSITE; PDOC00112;
//
ID 3.1.1.8
DE **Cholinesterase.**
AN Acylcholine acylhydrolase.
AN Benzoylcholinesterase.
AN Butyrylcholine esterase.
AN Choline esterase II (unspecific).
AN Non-specific **cholinesterase.**
AN Pseudocholinesterase.
CA An acylcholine + H(2)O = choline + a carboxylate.
CC -!- Acts on a variety of choline esters and a few other compounds.
DI Drug induced (postanesthetic) apnea; MIM:177400.
PR PROSITE; PDOC00112;
//

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IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

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Set	Items	Description
S1	5142	ACYLCHOLINE(W)ACYLHYDROLASE OR BENZOYLCHOLINESTERASE OR BUTYRYLCHOLINE(W)ESTERASE OR CHOLINE(W)ESTERASE(W)II OR NON(W)SPECIFIC(W)CHOLINESTERASE OR PSEUDOCHOLINESTERASE
S2	21	S1 AND (CONA OR CONCANAVALIN OR GLYCOSYLA?)
S3	14	RD S2 (unique items)
S4	99	S1 AND ALZHEIMER?
S5	72	RD S4 (unique items)
S6	3011	BUCHE
S7	402	S6 AND ALZHEIMER?
S8	146	RD S7 (unique items)
S9	216	S5 OR S8
S10	212	RD S9 (unique items).
S11	109	S10 AND PY<2001

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? logoff
22feb06 14:39:49 User226352 Session D912.3